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Cooperative Agreement No.: F12AC00097

Title: Fish Distribution and Administration and Fish Marking
Annual Report
Cooperative Agreement between the U.S. Fish and Wildlife
Service and the Oregon Department of Fish and

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Fish Distribution and Administration

Objective 1: Supervise, manage policy, administratively oversee operations, and ensure safe and timely fish delivery and liberations while cultivating a safe and productive work environment at the Irrigon, Lookingglass, and Wallowa hatcheries and associated satellite facilities, along with operations associated with fish health monitoring and treatment and fish marking.

All components of Objective 1 were successfully accomplished with safe and timely deliveries of fish, and maintenance of a safe and productive work environment at all hatchery facilities and during all fish health and fish marking operations.

Objective 2: Oversee facility operations with the goal of rearing sufficient numbers of fish to produce 400,000 subyearling fall Chinook smolts, and 5,720 adult Grande Ronde Basin and 3,210 Imnaha Basin spring Chinook, 9,184 Wallowa Stock and 2,000 Little Sheep stock steelhead adults above the project area.

Facility operations were overseen with the following smolt releases and egg production in 2012.

Fall Chinook

Brood Year 2011: An estimated 384,000 sub-yearlings were released into the Grande Ronde River, 52% were AD/CWT marked. The smolt production goal is 400,000.

Little Sheep Steelhead

The adult return goal is 2,000 for the Little Sheep stock. The production goals is 315,960 green eggs taken to produce 282,152 eyed eggs (89.3%) and 215,000 smolts (76.2% eyed eggs to smolts).

Brood Year 2011: Production was completed on March 1, 2012 with the transfer of 213,891 Imnaha stock steelhead smolts to Little Sheep acclimation. All were Ad clipped and 26,895 had been coded wire tagged and LV clipped.

Brood Year 2012: A total of 323,300 green eggs were taken in the 2012 season. Approximately 267,700 eyed eggs were transferred to Irrigon Hatchery.

Wallowa Steelhead

The adult return goal is 9,184 for the Wallowa stock. Mitigation goals include collecting 1,212,121 green eggs to produce 1,066,666 eyed eggs (88% survival green to eyed eggs). Transfer 1,066,666 eyed eggs to Irrigon Hatchery to produce 800,000 smolts (75% survival eyed eggs to smolt).

Brood Year 2011: Rearing was completed on April 18, 2012 with the transfers of 848,680 Wallowa stock steelhead smolts to Wallowa and Big Canyon acclimation ponds. All fish had adipose fins removed. In addition, 106,539 had been coded wire tagged/left ventral clipped and 53,605 were left ventral clipped. Of the fall caught progeny 104,867 were coded wire tagged/right ventral clipped and 68,307 were right ventral clipped.

Brood Year 2012:

There were a total of 1,257,500 Wallowa stock eggs taken during the season, 871,200 production and 386,300 Fall Brood eggs. Wallowa Hatchery transferred 1,066,600 eyed eggs to Irrigon Hatchery.

Grande Ronde Basin Spring Chinook

The LSRCP production goal is 900,000 smolts to produce 5,720 adults. A total of 1,071,429 green eggs should be collected to produce 900,000 conventional smolts based on 84% green egg to smolt survival. Production targets include

- Catherine Creek – 46 pairs to produce 150,000 smolts,
- Lookingglass Creek – 79 pairs to produce 250,000 smolts
- Lostine – 70 pairs to produce 250,000 smolts
- Upper Grande Ronde – 85 pairs to produce 250,000 smolts

Brood Year 2010: Estimated smolt releases in 2012 include:

- Catherine Creek = 162,500
- Lookingglass Creek = 228,000
- Lostine River = 267,500
- Upper Grande Ronde = 295,000

Brood Year 2012: Number of females spawned and egg take includes:

- Catherine Creek = 45 females spawned yielding 170,686 green eggs resulting in 148,514 eyed eggs for an eye up of 87.0%.
- Lookingglass Creek = 81 females spawned yielding 297,475 green eggs resulting in 279,533 eyed eggs for an eye up of 94.0%.

- Lostine River = 62 females spawned yielding 270,210 green eggs resulting in 242,615 eyed eggs for an eye up of 89.8%.
- Upper Grande Ronde = 74 females spawned yielding 267,394 green eggs resulting in 245,116 eyed eggs for an eye up of 91.7%.

Imnaha Basin Spring Chinook

The current production goal is 420,000 smolts to produce 3,210 adults. The long-term goal is to produce 490,000 smolts. Need 114 pairs to produce 512,200 green eggs at 95% survival of females, 82% survival from green egg to smolt, and estimated five-year fecundity average of 4,482.

Brood Year 2010: Estimated smolt releases in 2012 = 471,000

Brood Year 2012: There were 109 Imnaha stock females spawned yielding 489,088 green eggs resulting in 389,802 eyed eggs for an eye up of 79.7%.

Objective 3: Recruit, hire, develop and retain a diverse, effectively deployed and well trained staff.

Positions were filled and employees trained as necessary to maintain an effective and well trained staff. Positions filled this year include Fish & Wildlife Technician at Wallowa Hatchery and temporary Fish & Wildlife Technician at Imnaha Weir.

Objective 4: Maintain all appropriate permits necessary for operations, including any and all ESA related items.

All appropriate and necessary permits were maintained.

Objective 5: Ensure and oversee appropriate maintenance of all facilities and equipment.

Appropriate maintenance of all facilities and equipment was maintained.

Objective 6: Manage policy and procedures to meet annual adult fish escapement and juvenile fish rearing goals, as described in a NOAA Fisheries approved HGMP.

Policies and procedures were maintained to meet goals in HGMP.

Objective 7: Oversee and ensure the development of an Annual Operations Plan for LSRCP Grande Ronde and Imnaha Basin facilities and production in Oregon.

The Annual Operations Plan was developed and finalized in consultation with and agreement from all co-managers.

Objective 8: Oversee the fish marking program at LSRCP Grande Ronde and Imnaha Basin facilities in Oregon.

The fish marking program at LSRCP Grande Ronde and Imnaha Basin facilities was effectively overseen.

Objective 9: Schedule all fish transportation associated with the LSRCP Grande Ronde and Imnaha Basin program in Oregon.

Fish transportation was scheduled and accomplished safely and timely for the LSRCP Grande Ronde and Imnaha basin programs.

Objective 10: Maintain real property and personal property inventories for all facilities and equipment.

Property inventories were maintained for all facilities and equipment.

Fish Marking

Objective 1: ODFW will develop the annual fish marking plans for LSRCP fish production, and ODFW will oversee fish marking schedules and activities.

Developed annual fish marking plans for LSRCP fish production and oversaw fish marking schedules and activities.

Objective 2: Develop the annual fish marking budget and Statement of Work and submit to LSRCP by June 15.

Fish marking budget and SOW were submitted to LSRCP.

Objective 3: Contribute to the development of the Grande Ronde and Imnaha program AOP.

Contributed to development of the AOP.

Objective 4: Maintain equipment and recommend and implement improvements.

Equipment was maintained and improvements implemented as necessary.